

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawings of the patent application are unacceptable.

They are rejected by the Draftsperson under 37 CFR 1.84 or 1.82.

By ✓ indicated in the margin, the Draftsperson rejected 37 CFR 1.84 or 1.82 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. A corrected drawing must be submitted according to the instructions on the back of this notice.

1. DRAWINGS: 37 CFR 1.84(e) Acceptable drawings of drawings

Black ink. Color

✓ of drawings are not acceptable with pen or marker. (Fig(s) 1+2)

Pen or marker black ink not permitted. (Fig(s) _____)

2. PHOTOGRAPHY: 37 CFR 1.84(f)

✓ full-tone art is required. (Fig(s) _____)

Photographs may not be mounted. 37 CFR 1.84(e)

Poor quality full-tone. (Fig(s) _____)

3. TYPE OF PAPER: 37 CFR 1.84(c)

Paper must be white, strong, white, and durable

(Fig(s) _____)

Erasures, alterations, overwritings, interlineations,

telec. copy machine marks not accepted. (Fig(s) _____)

Mylar, vellum paper is not acceptable (too thin).

(Fig(s) _____)

4. SIZE OF PAPER: 37 CFR 1.84(f) Acceptable sizes

21.0 cm by 29.7 cm (DIN size A4)

21.6 cm by 27.9 cm (8 1/2 x 11 inches)

All drawing sheets not the same size.

Sheet(s) _____

Drawings sheet not an acceptable size. (Fig(s) _____)

5. MARGINS: 37 CFR 1.84(g) Acceptable margins

Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm

SUFE: A4 Size

Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm

SUFE: 8 1/2 x 11

Margins not acceptable. (Fig(s) _____)

Top (A) _____ Left (B) _____

Right (C) _____ Bottom (D) _____

6. VIEWS: 37 CFR 1.84(h)

RE-MINDER: Specification may require revision to correspond to drawing changes

Partial view(s). 37 CFR 1.84(h)(2)

✓ Brackets needed to show figure is one entity.

(Fig(s) _____)

✓ Views not labeled separately or properly

(Fig(s) _____)

✓ Enlarged view not labeled separately or properly

(Fig(s) _____)

7. SECTIONAL VIEWS: 37 CFR 1.84(h)(3)

Hatching not indicated for sectional portions of an object

(Fig(s) _____)

✓ Sectional designation should be noted with Arabic or

Roman number. (Fig(s) _____)

8. ARRANGEMENT OF VIEWS: 37 CFR 1.84(i)

Words do not appear on a horizontal, left-to-right fashion

✓ when page is either upright or turned so that the top becomes the right side, except for graphs. (Fig(s) _____)

9. SCALE: 37 CFR 1.84(k)

✓ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.

(Fig(s) _____)

10. CHAR & TYP OF LINES, NUMBERS, & LETTERS: 37 CFR 1.84(l)

✓ Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality).

(Fig(s) _____)

11. SHADING: 37 CFR 1.84(m)

Solid black areas pale. (Fig(s) _____)

✓ Solid black shading not permitted. (Fig(s) _____)

Shade lines pale, rough and blurred. (Fig(s) _____)

12. NUMBERS, LETTERS, & REFERENCE CHARACTERS: 37 CFR 1.84(p)

Numbers and reference characters not plain and legible.

(Fig(s) _____)

Figure legends are poor. (Fig(s) _____)

✓ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1)

(Fig(s) _____)

✓ Long hatch pattern not used. 37 CFR 1.84(p)(2)

(Fig(s) _____)

✓ Numbers, letters and reference characters must be at least 32 cm (1 1/2 inch) in height. 37 CFR 1.84(p)(3)

(Fig(s) _____)

13. LEAD LINES: 37 CFR 1.84(q)

✓ Lead lines cross each other. (Fig(s) _____)

✓ Lead lines missing. (Fig(s) _____)

14. NUMBERING OF SHEETS OF DRAWINGS: 37 CFR 1.84(r)

✓ Sheets not numbered consecutively, and in Arabic numerals

beginning with number 1. Sheet(s) _____

15. NUMBERING OF VIEWS: 37 CFR 1.84(u)

✓ Views not numbered consecutively, and in Arabic numerals,

beginning with number 1. (Fig(s) _____)

16. CORRECTIONS: 37 CFR 1.84(w)

✓ Corrections not made from prior PTO-948 dated _____

17. DESIGN DRAWINGS: 37 CFR 1.152

✓ Surface shading shown not appropriate. (Fig(s) _____)

✓ Solid black shading not used for color contrast.

(Fig(s) _____)

COMMENTS

REVIEWER S. Zell

DATE 11/14/02

TELEPHONE NO. _____

ATTACHMENT TO PAPER NO. 5

Attachment for PTO-948 (Rev. 03/01, or earlier)

6/18/01

The below text replaces the pre-printed text under the heading, "Information on How to Effect Drawing Changes," on the back of the PTO-948 (Rev. 03/01, or earlier) form.

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Informalities -- 37 CFR 1.85

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings **MUST** be filed within the **THREE MONTH** shortened statutory period set for reply in the Notice of Allowability. Extensions of time may **NOT** be obtained under the provisions of 37 CFR 1.136(a) or (b) for filing the corrected drawings after the mailing of a Notice of Allowability. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

2. Corrections other than Informalities Noted by Draftsperson on form PTO-948.

All changes to the drawings, other than informalities noted by the Draftsperson, **MUST** be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

Timing of Corrections

Applicant is required to submit the drawing corrections within the time period set in the attached Office communication. See 37 CFR 1.85(a).

Failure to take corrective action within the set period will result in **ABANDONMENT** of the application.